



07/30/14

## Technical Report for

**Stantec Consulting Services Inc.**

**Sunoco - Marcus Hook Facility, PA**

**213402353**

**Accutest Job Number: JB51293**

**Sampling Date: 10/25/13**

### Report to:

**Stantec**

**Lisa.Votta@stantec.com**

**ATTN: Lisa Votta**

**Total number of pages in report: 34**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads 'Nancy Cole'.

**Nancy Cole**  
**Laboratory Director**

**Client Service contact: Marie Meidhof 732-329-0200**

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

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## Sample Summary

Stantec Consulting Services Inc.

Job No: JB51293

Sunoco - Marcus Hook Facility, PA  
Project No: 213402353

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB51293-1	10/25/13	08:35 JC	10/25/13	SO	Soil	MH835-1 (1.0-1.5)
JB51293-2	10/25/13	09:05 JC	10/25/13	SO	Soil	MH835-2 (1.5-2.0)
JB51293-3	10/25/13	09:20 JC	10/25/13	SO	Soil	MH835-3 (1.75-2.25)
JB51293-4	10/25/13	09:45 JC	10/25/13	SO	Soil	MH835-4 (1.5-2.0)
JB51293-5	10/25/13	11:15 JC	10/25/13	SO	Soil	MH813-1 (3.0-3.5)
JB51293-6	10/25/13	14:05 JC	10/25/13	SO	Soil	MH813-2 (1.5-2.0)
JB51293-7	10/25/13	12:55 JC	10/25/13	SO	Soil	MH813-3 (1.75-2.25)
JB51293-8	10/25/13	13:35 JC	10/25/13	SO	Soil	MH813-4 (3.0-3.5)
JB51293-9	10/25/13	14:20 JC	10/25/13	AQ	Field Blank Soil	FB10252013
JB51293-10	10/25/13	14:20 JC	10/25/13	AQ	Trip Blank Soil	TB10252013

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Soil samples reported on a dry weight basis unless otherwise indicated on result page.



## CASE NARRATIVE / CONFORMANCE SUMMARY

**Client:** Stantec Consulting Services Inc.

**Job No** JB51293

**Site:** Sunoco - Marcus Hook Facility, PA

**Report Date** 11/21/2013 9:01:35 A

On 10/25/2013, 8 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB51293 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

### Volatiles by GCMS By Method DAI BY GC/MS 8260SIM

**Matrix:** AQ

**Batch ID:** EH4576

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB51355-3MS, JB51355-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Propylene Glycol are outside control limits. High percent recoveries and no associated positive reported in the QC batch.
- Matrix Spike Duplicate Recovery(s) for Propylene Glycol are outside control limits. High percent recoveries and no associated positive reported in the QC batch.

**Matrix:** SO

**Batch ID:** EH4575

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB50370-2MS, JB50370-2MSD were used as the QC samples indicated.
- Matrix Spike Duplicate Recovery(s) for Propylene Glycol are outside control limits.

## Volatiles by GCMS By Method SW846 8260B

**Matrix:** AQ

**Batch ID:** V4B1558

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB51252-2MS, JB51252-2MSD were used as the QC samples indicated.

**Matrix:** AQ

**Batch ID:** V4B1562

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB51781-1MS, JB51781-1MSD were used as the QC samples indicated.

**Matrix:** SO

**Batch ID:** VY6050

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB51379-2MS, JB51379-2MSD were used as the QC samples indicated.

**Matrix:** SO

**Batch ID:** VY6051

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB51293-6DUP, JB51293-8MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

## Extractables by GCMS By Method SW846 8270D

**Matrix:** AQ

**Batch ID:** OP70201

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

**Matrix:** SO

**Batch ID:** OP70200

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB51306-6MS, JB51306-6MSD were used as the QC samples indicated.
- OP70200-MB1 for Nitrobenzene-d5: Outside of in house control limits, but within reasonable method recovery limits.
- OP70200-MB1 for 2-Fluorobiphenyl: Outside of in house control limits, but within reasonable method recovery limits.

## Extractables by GC By Method SW846 8015C

**Matrix:** AQ

**Batch ID:** OP70166

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB51161-13MS, JB51161-13MSD were used as the QC samples indicated.

**Matrix:** SO

**Batch ID:** OP70211

- All samples were extracted within the recommended method holding time.
- Sample(s) JB51293-5MS, JB51293-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

## Wet Chemistry By Method ASTM 4643-00

**Matrix:** SO

**Batch ID:** GN94667

- The data for ASTM 4643-00 meets quality control requirements.

## Wet Chemistry By Method SM2540 G-97

**Matrix:** SO

**Batch ID:** GN94117

- The data for SM2540 G-97 meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

## Summary of Hits

Job Number: JB51293  
Account: Stantec Consulting Services Inc.  
Project: Sunoco - Marcus Hook Facility, PA  
Collected: 10/25/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JB51293-1 MH835-1 (1.0-1.5)

No hits reported in this sample.

JB51293-2 MH835-2 (1.5-2.0)

No hits reported in this sample.

JB51293-3 MH835-3 (1.75-2.25)

No hits reported in this sample.

JB51293-4 MH835-4 (1.5-2.0)

No hits reported in this sample.

JB51293-5 MH813-1 (3.0-3.5)

Xylene (total)	0.71 J	0.93	0.16	ug/kg	SW846 8260B
Acenaphthene	19.9 J	39	11	ug/kg	SW846 8270D
Anthracene	23.8 J	39	14	ug/kg	SW846 8270D
Benzo(a)anthracene	38.3 J	39	13	ug/kg	SW846 8270D
Benzo(a)pyrene	52.4	39	12	ug/kg	SW846 8270D
Benzo(b)fluoranthene	34.8 J	39	13	ug/kg	SW846 8270D
Chrysene	47.1	39	13	ug/kg	SW846 8270D
Fluoranthene	59.0	39	17	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	37.4 J	39	13	ug/kg	SW846 8270D
Phenanthrene	42.0	39	18	ug/kg	SW846 8270D
Pyrene	82.8	39	15	ug/kg	SW846 8270D
TPH-DRO (C10-C28)	184	11	4.0	mg/kg	SW846 8015C

JB51293-6 MH813-2 (1.5-2.0)

TPH-DRO (C10-C28)	58.4	10	3.9	mg/kg	SW846 8015C
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JB51293-7 MH813-3 (1.75-2.25)

Benzene	2.8	0.99	0.12	ug/kg	SW846 8260B
Toluene	1.1	0.99	0.14	ug/kg	SW846 8260B
Ethylbenzene	3.0	0.99	0.17	ug/kg	SW846 8260B
Xylene (total)	2.6	0.99	0.18	ug/kg	SW846 8260B
Acenaphthene	53.7	35	10	ug/kg	SW846 8270D
Anthracene	43.4	35	12	ug/kg	SW846 8270D
Benzo(a)anthracene	65.9	35	11	ug/kg	SW846 8270D
Benzo(a)pyrene	59.9	35	11	ug/kg	SW846 8270D

## Summary of Hits

Job Number: JB51293  
Account: Stantec Consulting Services Inc.  
Project: Sunoco - Marcus Hook Facility, PA  
Collected: 10/25/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Analyte						
Benzo(b)fluoranthene		74.3	35	12	ug/kg	SW846 8270D
Benzo(k)fluoranthene		28.0 J	35	13	ug/kg	SW846 8270D
Chrysene		77.9	35	12	ug/kg	SW846 8270D
Fluoranthene		161	35	15	ug/kg	SW846 8270D
Fluorene		71.1	35	11	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		36.2	35	12	ug/kg	SW846 8270D
Naphthalene		38.0	35	9.5	ug/kg	SW846 8270D
Phenanthrene		190	35	16	ug/kg	SW846 8270D
Pyrene		114	35	13	ug/kg	SW846 8270D
TPH-DRO (C10-C28)		229	11	4.2	mg/kg	SW846 8015C

JB51293-8 MH813-4 (3.0-3.5)

Anthracene	15.4 J	37	13	ug/kg	SW846 8270D
Benzo(a)anthracene	44.1	37	12	ug/kg	SW846 8270D
Benzo(a)pyrene	43.4	37	11	ug/kg	SW846 8270D
Benzo(b)fluoranthene	48.9	37	12	ug/kg	SW846 8270D
Benzo(k)fluoranthene	18.0 J	37	14	ug/kg	SW846 8270D
Chrysene	41.1	37	13	ug/kg	SW846 8270D
Fluoranthene	77.5	37	16	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	20.5 J	37	13	ug/kg	SW846 8270D
Phenanthrene	34.4 J	37	17	ug/kg	SW846 8270D
Pyrene	61.3	37	14	ug/kg	SW846 8270D
TPH-DRO (C10-C28)	59.9	11	4.3	mg/kg	SW846 8015C

JB51293-9 FB10252013

No hits reported in this sample.

JB51293-10 TB10252013

No hits reported in this sample.



## Sample Results

## Report of Analysis

## Report of Analysis

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<b>Client Sample ID:</b>	MH835-1 (1.0-1.5)	<b>Date Sampled:</b>	10/25/13
<b>Lab Sample ID:</b>	JB51293-1	<b>Date Received:</b>	10/25/13
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	83.4
<b>Method:</b>	DAI BY GC/MS 8260SIM		
<b>Project:</b>	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H103483.D	1	10/31/13	KLS	n/a	n/a	EH4575
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.59	0.11	mg/kg	
57-55-6	Propylene Glycol	ND	0.59	0.060	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	140%		50-150%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

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<b>Client Sample ID:</b>	MH835-2 (1.5-2.0)	<b>Date Sampled:</b>	10/25/13
<b>Lab Sample ID:</b>	JB51293-2	<b>Date Received:</b>	10/25/13
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	86.5
<b>Method:</b>	DAI BY GC/MS 8260SIM		
<b>Project:</b>	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H103484.D	1	10/31/13	KLS	n/a	n/a	EH4575
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.57	0.10	mg/kg	
57-55-6	Propylene Glycol	ND	0.57	0.058	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	130%		50-150%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

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<b>Client Sample ID:</b>	MH835-3 (1.75-2.25)	
<b>Lab Sample ID:</b>	JB51293-3	<b>Date Sampled:</b> 10/25/13
<b>Matrix:</b>	SO - Soil	<b>Date Received:</b> 10/25/13
<b>Method:</b>	DAI BY GC/MS 8260SIM	<b>Percent Solids:</b> 79.2
<b>Project:</b>	Sunoco - Marcus Hook Facility, PA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H103485.D	1	10/31/13	KLS	n/a	n/a	EH4575
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.63	0.11	mg/kg	
57-55-6	Propylene Glycol	ND	0.63	0.064	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	115%		50-150%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

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<b>Client Sample ID:</b>	MH835-4 (1.5-2.0)	<b>Date Sampled:</b>	10/25/13
<b>Lab Sample ID:</b>	JB51293-4	<b>Date Received:</b>	10/25/13
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	81.3
<b>Method:</b>	DAI BY GC/MS 8260SIM		
<b>Project:</b>	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H103486.D	1	10/31/13	KLS	n/a	n/a	EH4575
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.61	0.11	mg/kg	
57-55-6	Propylene Glycol	ND	0.61	0.062	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	104%		50-150%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

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Client Sample ID:	MH813-1 (3.0-3.5)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-5	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8260B		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y139992.D	1	10/29/13	PS	n/a	n/a	VY6050
Run #2							

Run #	Initial Weight
Run #1	6.6 g
Run #2	

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.93	0.12	ug/kg	
108-88-3	Toluene	ND	0.93	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	0.93	0.16	ug/kg	
1330-20-7	Xylene (total)	0.71	0.93	0.16	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		59-130%
17060-07-0	1,2-Dichloroethane-D4	93%		65-123%
2037-26-5	Toluene-D8	114%		80-124%
460-00-4	4-Bromofluorobenzene	103%		71-132%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

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Client Sample ID:	MH813-1 (3.0-3.5)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-5	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8270D SW846 3550C		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P26425.D	1	11/03/13	NAP	10/29/13	OP70200	E3P1125
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.6 g	1.0 ml
Run #2		

## BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	19.9	39	11	ug/kg	J
120-12-7	Anthracene	23.8	39	14	ug/kg	J
56-55-3	Benzo(a)anthracene	38.3	39	13	ug/kg	J
50-32-8	Benzo(a)pyrene	52.4	39	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	34.8	39	13	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	39	15	ug/kg	
218-01-9	Chrysene	47.1	39	13	ug/kg	
206-44-0	Fluoranthene	59.0	39	17	ug/kg	
86-73-7	Fluorene	ND	39	13	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	37.4	39	13	ug/kg	J
91-20-3	Naphthalene	ND	39	11	ug/kg	
85-01-8	Phenanthrene	42.0	39	18	ug/kg	
129-00-0	Pyrene	82.8	39	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		10-110%
321-60-8	2-Fluorobiphenyl	88%		17-110%
1718-51-0	Terphenyl-d14	97%		30-124%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MH813-1 (3.0-3.5)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-5	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8015C SW846 3546		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z34988.D	1	10/30/13	AV	10/29/13	OP70211	G2Z1348
Run #2							

Run #	Initial Weight	Final Volume
Run #1	11.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	184	11	4.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		13-142%
16416-32-3	Tetracosane-d50	87%		12-141%
438-22-2	5a-Androstane	77%		13-142%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

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Client Sample ID:	MH813-2 (1.5-2.0)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-6	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	90.9
Method:	SW846 8260B		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y140003.D	1	10/30/13	PS	n/a	n/a	VY6051
Run #2							

Run #	Initial Weight
Run #1	5.6 g
Run #2	

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.98	0.12	ug/kg	
108-88-3	Toluene	ND	0.98	0.14	ug/kg	
100-41-4	Ethylbenzene	ND	0.98	0.17	ug/kg	
1330-20-7	Xylene (total)	ND	0.98	0.17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		59-130%
17060-07-0	1,2-Dichloroethane-D4	94%		65-123%
2037-26-5	Toluene-D8	112%		80-124%
460-00-4	4-Bromofluorobenzene	107%		71-132%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

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Client Sample ID:	MH813-2 (1.5-2.0)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-6	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	90.9
Method:	SW846 8270D SW846 3550C		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P26341.D	1	10/31/13	CH	10/29/13	OP70200	E3P1121
Run #2							

Run #	Initial Weight	Final Volume
Run #1	34.1 g	1.0 ml
Run #2		

## BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	32	9.4	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	9.8	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	12	ug/kg	
218-01-9	Chrysene	ND	32	11	ug/kg	
206-44-0	Fluoranthene	ND	32	14	ug/kg	
86-73-7	Fluorene	ND	32	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	11	ug/kg	
91-20-3	Naphthalene	ND	32	8.8	ug/kg	
85-01-8	Phenanthrene	ND	32	15	ug/kg	
129-00-0	Pyrene	ND	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		10-110%
321-60-8	2-Fluorobiphenyl	90%		17-110%
1718-51-0	Terphenyl-d14	85%		30-124%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MH813-2 (1.5-2.0)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-6	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	90.9
Method:	SW846 8015C SW846 3546		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y57003.D	1	10/29/13	AV	10/29/13	OP70211	G2Y2234
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	58.4	10	3.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	77%		13-142%		
16416-32-3	Tetracosane-d50	69%		12-141%		
438-22-2	5a-Androstane	74%		13-142%		

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MH813-3 (1.75-2.25)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-7	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	82.9
Method:	SW846 8260B		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y139993.D	1	10/29/13	PS	n/a	n/a	VY6050
Run #2							

Run #	Initial Weight
Run #1	6.1 g
Run #2	

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.8	0.99	0.12	ug/kg	
108-88-3	Toluene	1.1	0.99	0.14	ug/kg	
100-41-4	Ethylbenzene	3.0	0.99	0.17	ug/kg	
1330-20-7	Xylene (total)	2.6	0.99	0.18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		59-130%
17060-07-0	1,2-Dichloroethane-D4	95%		65-123%
2037-26-5	Toluene-D8	115%		80-124%
460-00-4	4-Bromofluorobenzene	103%		71-132%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MH813-3 (1.75-2.25)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-7	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	82.9
Method:	SW846 8270D SW846 3550C		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P26334.D	1	10/31/13	CH	10/29/13	OP70200	E3P1121
Run #2							

Run #	Initial Weight	Final Volume
Run #1	34.5 g	1.0 ml
Run #2		

## BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	53.7	35	10	ug/kg	
120-12-7	Anthracene	43.4	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	65.9	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	59.9	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	74.3	35	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	28.0	35	13	ug/kg	J
218-01-9	Chrysene	77.9	35	12	ug/kg	
206-44-0	Fluoranthene	161	35	15	ug/kg	
86-73-7	Fluorene	71.1	35	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	36.2	35	12	ug/kg	
91-20-3	Naphthalene	38.0	35	9.5	ug/kg	
85-01-8	Phenanthrene	190	35	16	ug/kg	
129-00-0	Pyrene	114	35	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	95%		10-110%
321-60-8	2-Fluorobiphenyl	91%		17-110%
1718-51-0	Terphenyl-d14	86%		30-124%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MH813-3 (1.75-2.25)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-7	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	82.9
Method:	SW846 8015C SW846 3546		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y57004.D	1	10/30/13	AV	10/29/13	OP70211	G2Y2234
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	229	11	4.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	87%		13-142%		
16416-32-3	Tetracosane-d50	79%		12-141%		
438-22-2	5a-Androstane	84%		13-142%		

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MH813-4 (3.0-3.5)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-8	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	86.8
Method:	SW846 8260B		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y140004.D	1	10/30/13	PS	n/a	n/a	VY6051
Run #2							

Run #	Initial Weight
Run #1	6.4 g
Run #2	

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.90	0.11	ug/kg	
108-88-3	Toluene	ND	0.90	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	0.90	0.16	ug/kg	
1330-20-7	Xylene (total)	ND	0.90	0.16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		59-130%
17060-07-0	1,2-Dichloroethane-D4	99%		65-123%
2037-26-5	Toluene-D8	114%		80-124%
460-00-4	4-Bromofluorobenzene	105%		71-132%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MH813-4 (3.0-3.5)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-8	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	86.8
Method:	SW846 8270D SW846 3550C		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P26335.D	1	10/31/13	CH	10/29/13	OP70200	E3P1121
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

## BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	37	11	ug/kg	
120-12-7	Anthracene	15.4	37	13	ug/kg	J
56-55-3	Benzo(a)anthracene	44.1	37	12	ug/kg	
50-32-8	Benzo(a)pyrene	43.4	37	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	48.9	37	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	18.0	37	14	ug/kg	J
218-01-9	Chrysene	41.1	37	13	ug/kg	
206-44-0	Fluoranthene	77.5	37	16	ug/kg	
86-73-7	Fluorene	ND	37	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	20.5	37	13	ug/kg	J
91-20-3	Naphthalene	ND	37	10	ug/kg	
85-01-8	Phenanthrene	34.4	37	17	ug/kg	J
129-00-0	Pyrene	61.3	37	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		10-110%
321-60-8	2-Fluorobiphenyl	91%		17-110%
1718-51-0	Terphenyl-d14	84%		30-124%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

Page 1 of 1

Client Sample ID:	MH813-4 (3.0-3.5)	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-8	Date Received:	10/25/13
Matrix:	SO - Soil	Percent Solids:	86.8
Method:	SW846 8015C SW846 3546		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y57005.D	1	10/30/13	AV	10/29/13	OP70211	G2Y2234
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	59.9	11	4.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		13-142%
16416-32-3	Tetracosane-d50	78%		12-141%
438-22-2	5a-Androstane	81%		13-142%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

<b>Client Sample ID:</b>	FB10252013		
<b>Lab Sample ID:</b>	JB51293-9	<b>Date Sampled:</b>	10/25/13
<b>Matrix:</b>	AQ - Field Blank Soil	<b>Date Received:</b>	10/25/13
<b>Method:</b>	DAI BY GC/MS 8260SIM	<b>Percent Solids:</b>	n/a
<b>Project:</b>	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H103489.D	1	10/31/13	KLS	n/a	n/a	EH4576
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.50	0.063	mg/l	
57-55-6	Propylene Glycol	ND	0.50	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	77%		50-150%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	FB10252013	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-9	Date Received:	10/25/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B35817.D	1	10/30/13	TP	n/a	n/a	V4B1558
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.44	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		79-117%
17060-07-0	1,2-Dichloroethane-D4	90%		72-123%
2037-26-5	Toluene-D8	96%		82-118%
460-00-4	4-Bromofluorobenzene	88%		75-118%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	FB10252013	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-9	Date Received:	10/25/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R103902.D	1	10/31/13	OYA	10/29/13	OP70201	ER4145
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.26	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.46	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.51	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.37	ug/l	
91-20-3	Naphthalene	ND	1.0	0.26	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.29	ug/l	
129-00-0	Pyrene	ND	1.0	0.27	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%		28-131%
321-60-8	2-Fluorobiphenyl	82%		30-121%
1718-51-0	Terphenyl-d14	68%		16-147%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	FB10252013	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-9	Date Received:	10/25/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8015C SW846 3510C		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y56974.D	1	10/29/13	AV	10/28/13	OP70166	G2Y2233
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.10	0.053	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	73%		36-144%		
16416-32-3	Tetracosane-d50	55%		32-138%		
438-22-2	5a-Androstane	49%		31-136%		

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

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<b>Client Sample ID:</b>	TB10252013		
<b>Lab Sample ID:</b>	JB51293-10	<b>Date Sampled:</b>	10/25/13
<b>Matrix:</b>	AQ - Trip Blank Soil	<b>Date Received:</b>	10/25/13
<b>Method:</b>	DAI BY GC/MS 8260SIM	<b>Percent Solids:</b>	n/a
<b>Project:</b>	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H103488.D	1	10/31/13	KLS	n/a	n/a	EH4576
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.50	0.063	mg/l	
57-55-6	Propylene Glycol	ND	0.50	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	111%		50-150%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	TB10252013	Date Sampled:	10/25/13
Lab Sample ID:	JB51293-10	Date Received:	10/25/13
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Sunoco - Marcus Hook Facility, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B35914.D	1	11/02/13	TP	n/a	n/a	V4B1562
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.44	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-117%
17060-07-0	1,2-Dichloroethane-D4	99%		72-123%
2037-26-5	Toluene-D8	103%		82-118%
460-00-4	4-Bromofluorobenzene	95%		75-118%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Misc. Forms

5

### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody





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[illegible]

5.15

3B

## JB51293: Chain of Custody

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# Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** JB51293      **Client:** \_\_\_\_\_      **Project:** \_\_\_\_\_  
**Date / Time Received:** 10/25/2013      **Delivery Method:** \_\_\_\_\_      **Airbill #s:** \_\_\_\_\_  
**Cooler Temps (Initial/Adjusted):** #1: (3.3/3.3); 0

## Cooler Security

	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

## Cooler Temperature

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

## Quality Control Preservation

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

## Sample Integrity - Documentation

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

## Sample Integrity - Condition

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:	Intact		

## Sample Integrity - Instructions

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments